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(74) Representative:

### (54) PRODUCTION OF TAXANE-TYPE DITERPENE

(57) Abstract:

**PURPOSE:** To produce the subject compound useful e.g. as an agent for the treatment of ovarian cancer, breast cancer, pulmonary cancer, etc., in high efficiency from the tissue, cell, etc., of a plant capable of producing a taxane-type diterpene by culturing the tissue, etc., in the presence of an anti-ethylene agent and recovering the cultured product.

**CONSTITUTION:** The objective taxane-type diterpene such as taxols, baccatin III or cephalomanins useful as an agent for the treatment of ovarian cancer, breast cancer, pulmonary cancer, etc., is produced by culturing the tissue and/or cell of a plant capable of producing a taxane-type diterpene (e.g. *Taxus baccata*) in the presence of an anti-ethylene agent consisting of at least one kind of compound selected from aminoxyacetic acid, acetylsalicylic acid, lysobitoxin, aminoethoxyvinylglycine, methoxyvinylglycine,  $\alpha$ -aminoisobutyric acid, etc., and recovering the product from the cultured product and/or the medium. The culture of the tissue and/or cell of the plant capable of producing the

faxane- type diterpene is preferably  
carried out in the presence of a  
jasmonic acid compound effective for  
promoting the production of the  
diterpene.

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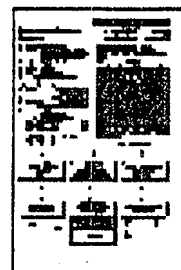
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HARA YASUHIRO;**Assignee: **MITSUI PETROCHEM IND LTD**  
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Abstract:

PURPOSE: To produce the subject compound useful e.g. as an agent for the treatment of ovarian cancer, breast cancer, pulmonary cancer, etc., in high efficiency from the tissue, cell, etc., of a plant capable of producing a taxane-type diterpene by culturing the tissue, etc., in the presence of an anti-ethylene agent and recovering the cultured product.

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